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Compressive Properties of Granular Foams of Adhesively Bonded Steel Hollow Sphere Blocks

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Highlights

- First peak compressive strength increases by 30doubling of sphere size
- Energy absorption nearly doubles with doubling of sphere size
- Crush-band formation is the predominant energy absorption mechanism
- Adhesive retains the integrity of the samples to failure
- First peak compressive strength was higher than the reported for sintered spheres

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